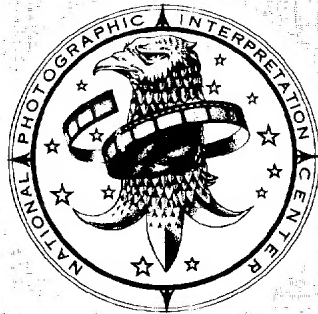


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NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER

OAK

PHOTOGRAPHIC INTERPRETATION REPORT

KH-4 MISSION 1110

IPIR NUMBER 2

MISSION 1110-1 OAK PART II

21-31 MAY 1970

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WARNING

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**TARGET CATEGORIES
AND
ASSOCIATED NTP FUNCTIONAL AREAS (CODES)**

- | | |
|--|---|
| 1. STRATEGIC SSM
Deployed Strategic SSM Facilities (A) | 7. GROUND
Ground Force Facilities (G) |
| 2. MISSILE RANGES
Missile Ranges: Strategic SSM/Space Facilities (P)
Missile Ranges: Air-Launched Missile Facilities (Q)
Missile Ranges: Naval-Launched Missile Facilities (R)
Missile Ranges: Tactical SSM Facilities (S)
Missile Ranges: SAM/AMM Facilities (T) | 8. TACTICAL SSM
Deployed Tactical SSM Facilities (H) |
| 3. AIR DEFENSE MISSILES
Deployed AMM Facilities (B)
Deployed SAM Facilities (D) | 9. LOGISTICS
Military Logistics Facilities (K) |
| 4. ELECTRONICS/COMMUNICATIONS
Deployed Communication/Electronic/Radar Facilities (C) | 10. NUCLEAR ENERGY
Atomic Energy Facilities (O) |
| 5. AIR
Air Base Facilities (E) | 11. CBR
CBR Facilities (V) |
| 6. NAVAL
Naval Base Facilities (F) | 12. INDUSTRY
Strategic Weapons Industrial Facilities (J)
General Purpose Weapons Industrial Facilities (L)
Non-Military Industrial Facilities (N)
Communication/Electronic/Radar R&D Facilities (U) |
| | 13. MISCELLANEOUS
Non-Military Logistics Facilities (M)
Miscellaneous/Unidentified Facilities (Z) |

These thirteen target categories are compatible with the Functional Area of Imagery Interpretation established under the National Tasking Plan. To enhance the analysis of readout on operationally associated targets, each target is reported relative to its primary functional association (i.e., missile range tracking facilities are reported under "MISSILE RANGES," fly-away airfields at aircraft plants are reported under "INDUSTRY," airfield nuclear weapons storage facilities are reported under "AIR," etc.).

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PREFACE

PREFACE

THIS IS THE SECOND OAK REPORT ON MISSION 1110-1. FOR COMPLETE
PREFACE SEE OAK PART 1, 1110-1.

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TCS-20217/70 - IPIR 2
KH-4 MISSION 1110-1

HIGHLIGHTS

MISSION HIGHLIGHTS

USSR

MISSILE ACTIVITY

1. TWO TYPE IIID LAUNCH SITES ARE NEWLY IDENTIFIED IN EXISTING LAUNCH GROUPS AT THE PERVOMAYSK IRBM COMPLEX. LAUNCH SITE 59 IS IN LAUNCH GROUP C AND LAUNCH SITE 60 IS IN LAUNCH GROUP E.

CHINA

AIRCRAFT ACTIVITY

2. TWELVE BADGER (TU-16) MEDIUM JET BOMBERS WERE SEEN IN CHINA ON THE SAME PHOTOGRAPHIC PASS, EIGHT AT WUKUNG AIRFIELD AND FOUR AT HSIAN AIRFRAME PLANT YEN-LIANG 172. THIS IS THE HIGHEST COUNT OF BADGER OBSERVED IN CHINA.

25X1A

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KH-4 MISSION 1110-1

CHINA, COMMUNIST
INDUSTRY

SIGNIFICANT RESULTS

25X1D HSI-AN AIRFRAME PLT YEN-LIANG 172

25X1D 25X1D
34-38- N 109-13- E

STATUS: OPERATIONAL

25X1A

25X1A

REMARKS:

25X1A THE STEEL FRAMEWORK FOR THE LARGE CHECKOUT HANGAR WAS BEING
ERECTED IN THE AIRCRAFT TEST AREA ON THE EAST SIDE OF THE
PLANT. A NEW BUILDING HAS BEEN CONSTRUCTED NORTH OF THE
CHECKOUT HANGAR UNDER CONSTRUCTION AND A BUILDING EAST OF THE
HANGAR WAS RECENTLY COMPLETED. FOUR SMALL SUPPORT-TYPE
BUILDINGS WERE UNDER CONSTRUCTION IN THE PLANT AREA AND TWO
SMALL SUPPORT-TYPE BUILDINGS WERE RECENTLY COMPLETED. THE
TAXIWAY AT THE EAST END OF THE FINAL ASSEMBLY HALL WAS
DISRUPTED BY THE INITIAL STAGES OF CONSTRUCTION OF A LARGE
PROBABLE ASSEMBLY BUILDING. FOUR BADGER AIRCRAFT WERE
IDENTIFIED ON THE HARDSTAND ADJACENT TO THE CHECKOUT HANGAR IN
THE SW CORNER OF THE PLANT. THE EIGHT BADGER IDENTIFIED AT
WU-KUNG AIRFIELD PLUS THE FOUR AT PLANT 172 IS
THE LARGEST NUMBER OF BADGER IDENTIFIED IN CHINA,

(SEE ATTACHMENT)

25X1D ASSOCIATED OBJECTS:

4 BADGER 2 COLT
1 BEAGLE 2 POSS CREEK
11 DELTA/SWEPT-WING (AT 1 POSS HOUND
LEAST)

25X1D

25X1D WU-KUNG AFLD

25X1A

25X1D 25X1D
34-16- N 108-15- E

25X1D

STATUS: OPERATIONAL

25X1A

REMARKS:

THE EIGHT BADGER OBSERVED HERE PLUS THE FOUR BADGER OBSERVED AT
HSI-AN AIRFRAME PLANT YEN-LIANG 172 IS THE
LARGEST BADGER COUNT EVER OBSERVED IN CHINA. 25X1A

TCS-20217/70 - IPIR 2
KH-4 MISSION 1110-1

CHINA, COMMUNIST
INDUSTRY

(SEE ATTACHMENT)

25X1D

ASSOCIATED OBJECTS:

8 BADGER

6 BEAGLE

9 BULL

2 COLT

25X1D

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SOVIET UNION
DEPLOYED STRATEGIC SSM FACILITIES

SIGNIFICANT RESULTS

25X1D KOZELSK ICBM COMPLEX

25X1A

25X1D 25X1D
53-51- N 035-45- E

STATUS: OPERATIONAL

25X1A

REMARKS:

SIXTY-SEVEN OF THE KNOWN 110 SS-11 LAUNCH SITES, THE FIVE SS-8 LAUNCH SITES, THE COMPLEX SUPPORT FACILITIES, THE RAIL-TO-ROAD TRANSFER POINT, THE HEADQUARTERS COMMAND AND CONTROL FACILITY, AND THE TRAINING SITE WERE OBSERVED. NO NEW MISSILE ACTIVITY OBSERVED.



25X1D KREMOVO MRBM COMPLEX

25X1A

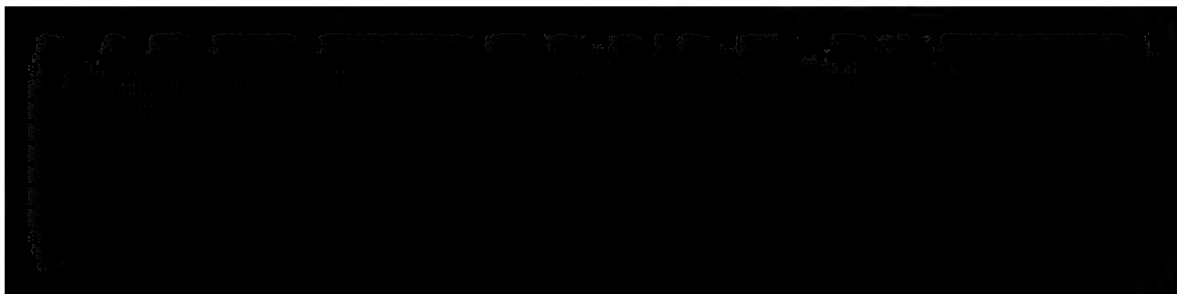
25X1D 25X1D
44-00- N 132-23- E

STATUS: OPERATIONAL

25X1A

REMARKS:

ALL ELEMENTS OF THE COMPLEX WERE OBSERVED. AT KREMOVO SCALEBOARD LAUNCH SITE 3, THE SHORT ACCESS ROAD TO THE SITE WAS CLEARLY VISIBLE. HOWEVER, NEITHER THE LAUNCH POSITIONS NOR THE CIRCULAR RING ROAD WERE DISCERNIBLE AND MAY BE OVERGROWN WITH VEGETATION. NO NEW SILO CONSTRUCTION OBSERVED.



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SOVIET UNION
DEPLOYED STRATEGIC SSM FACILITIES

25X1D

MUKACHEVO MRBM COMPLEX
[REDACTED] NAC

25X1A

25X1D 25X1D
48-19- [REDACTED] N 022-33- [REDACTED] E

STATUS: UNKNOWN

REMARKS:

LAUNCH SITE 2 WAS OBSERVED. LAUNCH SITE 1 WAS IDENTIFIED ONLY.
NO SILO CONSTRUCTION OBSERVED.

25X1D

25X1D

OMSK ICBM COMPLEX

25X1A

25X1D 25X1D
55-07- [REDACTED] N 073-33- [REDACTED] E

STATUS: OPERATIONAL

25X1A

REMARKS:

ALL COMPONENTS OF THE COMPLEX WERE OBSERVED. NO NEW MISSILE
ACTIVITY OBSERVED.

25X1D

25X1D

PERVOMAYSK IRBM COMPLEX

25X1A

25X1D 25X1D
47-58- [REDACTED] N 030-56- [REDACTED] E

STATUS: OPERATIONAL

25X1A

REMARKS:

TWENTY-FOUR TYPE IIID LAUNCH SITES, TWO NEWLY IDENTIFIED TYPE
IIID LAUNCH SITES, 59C AND 60E, AND THE RAIL-TO-ROAD TRANSFER
POINT WERE OBSERVED.

DATA FOR THE NEW LAUNCH SITES --

LAUNCH
SITE

GEOGRAPHIC
COORDINATES

CONST
STAGE

NOT
PRESENT FIRST
SEEN

59C
60E

4822 [REDACTED] N 3034 [REDACTED] E
4822 [REDACTED] N 3119 [REDACTED] E

LATE
EARLY

25X1D

25X1D

25X1D

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SOVIET UNION
DEPLOYED STRATEGIC SSM FACILITIES

PHOTOGRAPHIC REFERENCES FOR THE NEW SITES --

LS 59C

LS 60E

25X1D

25X1D

25X1D

SVOBODNYI ICBM COMPLEX

25X1A

25X1D

25X1D

51-52-N 128-16-E

STATUS: OPERATIONAL

25X1A

REMARKS:

25X2

THIRTY-ONE OF THE 60 SS-11 LAUNCH SITES, FIVE OF THE EIGHT SS-7 LAUNCH SITES, AND [REDACTED] WERE OBSERVED. SS-11 LAUNCH SITE 9 AND THE RAIL-TO-ROAD TRANSFER POINT WERE IDENTIFIED ONLY. NO NEW MISSILE ACTIVITY OBSERVED.

25X1D

25X1D

TEYKOVO ICBM COMPLEX

25X1A

25X1D

25X1D

56-55-N 040-30-E

STATUS: OPERATIONAL

25X1A

REMARKS:

SIX SS-11 SINGLE-SILO LAUNCH SITES WERE OBSERVED. NO NEW MISSILE ACTIVITY OBSERVED.

25X1D

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TOP SECRET RUFF

TCS-20217/70 - IPIR 2
KH-4 MISSION 1110-1

SOVIET UNION
MISSILE RANGES

SIGNIFICANT RESULTS

25X1D

NENOKSA MISSILE TEST CENTER 25X1A

25X1D 25X1D
64-38- N 039-11- E
25X1A

STATUS: OPERATIONAL

REMARKS:

ALL ELEMENTS OF THE MISSILE TEST CENTER WERE VISIBLE. NO
SIGNIFICANT CHANGES OBSERVED.

25X1D



25X1D

PLESETSK MISSILE AND SPACE CENTER

25X1D 25X1D
62-56- N 040-37- E
25X1A

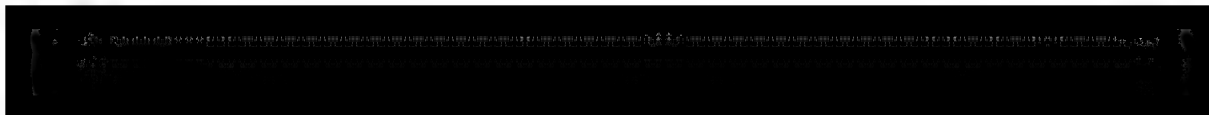
STATUS: OPERATIONAL

25X1A

REMARKS:

THE MAIN SUPPORT BASE WAS OBSERVED. NO NEW MISSILE ACTIVITY
OBSERVED.

25X1D



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TCS-20217/70 - IPIR 2
KH-4 MISSION 1110-1

SOVIET UNION
AIR BASE FACILITIES

SIGNIFICANT RESULTS

25X1D BARANOVICHI AIRFIELD
[REDACTED] NAC

25X1D 25X1D
25X1A 53-05- [REDACTED] N 026-02- [REDACTED] E

STATUS: OPERATIONAL

REMARKS:
THE THREE PREVIOUSLY REPORTED HANGARETTES HAVE BEEN COMPLETED.

AIR ORDER OF BATTLE:
36 BLINDER
4 BADGER

9 PROB BREWER
29 SMALL SWEPT/DELTA-WING

25X1D MINSK/MACHULISHCHE AIRFIELD
[REDACTED] NAC

25X1D 25X1D
25X1A 53-46- [REDACTED] N 027-34- [REDACTED] E

STATUS: OPERATIONAL

AIR ORDER OF BATTLE:
32 BLINDER
35 SMALL SWEPT/DELTA-WING
3 CAT/CUB

1 CRATE
2 CAB
2 PROB HELICOPTERS

ASSOCIATED OBJECTS:
2 KITCHEN ASM

3 POSS KITCHEN ASM

25X1D UZIN/CHEPELEVKA AIRFIELD
[REDACTED] NAC

25X1D 25X1D
25X1A 49-47- [REDACTED] N 030-26- [REDACTED] E

STATUS: OCCUPIED

AIR ORDER OF BATTLE:
36 BEAR

3 CAT/CUB/CAMP

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SOVIET UNION
AIR BASE FACILITIES

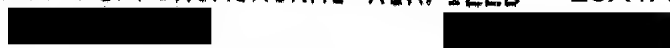
ASSOCIATED OBJECTS:
25 POSS KANGAROO ASM (AT
LEAST)

25X1D



25X1D

ZHITOMIR/SKOMOROKHI AIRFIELD 25X1A



25X1D

25X1D

50-09 [REDACTED] N 028-44- [REDACTED] E

STATUS: OCCUPIED

25X1A

REMARKS:

25X1D

TWENTY-FOUR NEW REVETTED HARDSTANDS HAVE BEEN CONSTRUCTED, 12
OFF THE TAXIWAY AT THE SE END OF THE RUNWAY AND 12 OFF THE
TAXIWAY NORTH OF THE NW END OF THE RUNWAY. A BUILDING WAS
UNDER CONSTRUCTION ACROSS THE TAXIWAY FROM BI-PROPELLANT
STORAGE ON [REDACTED]

AIR ORDER OF BATTLE:
33 PROB BLINDER
27 LARGE SWEPT-WING

3 LARGE STRAIGHT-WING
40 SMALL DELTA/SWEPT-WING

25X1D



TOP SECRET RUFF

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SOVIET UNION
NAVAL BASE FACILITIES

SIGNIFICANT RESULTS

25X1D DUNAY SUB BASE A SHPYD RAZBOYNIK BAY
[REDACTED] NAC

25X1A 25X1D 25X1D
42-53- [REDACTED] N 132-21- [REDACTED] E
[REDACTED]

STATUS: OPERATIONAL

25X1D NAVAL ORDER OF BATTLE:

25X1D 1 UNIDENTIFIED SS IN
FLOATING DOCK
1 SS (AT PIER)
1 PROB KRUPNYY AG

1 POSS POTI PC
1 MEDIUM COMBATANT
5 UNIDENTIFIED AUXILIARIES

25X1D [REDACTED]
2 LARGE SS (AT PIER)
1 KRUPNYY AG
7 UNIDENTIFIED AUXILIARIES

2 POSS YAGT (IN BAY)
1 EMPTY FLOATING DOCK



25X1D DUNAY SUB BASE KONYUSHKOVA BAY
[REDACTED] NAC

25X1A 25X1D 25X1D
42-51- [REDACTED] N 132-21- [REDACTED] E
[REDACTED]

STATUS: OPERATIONAL

25X1D NAVAL ORDER OF BATTLE:

25X1D 1 MEDIUM SS (UNDERWAY NE OF
BASE)

3 POSS SS (AT PIERS)

25X1D [REDACTED]
5 UNIDENTIFIED SS (1
UNDERWAY NE OF BASE)

1 POSS SS (AT PIER)
6 UNIDENTIFIED VESSELS



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SOVIET UNION
NAVAL BASE FACILITIES

25X1D

[REDACTED]

25X1D

IOKANGA NAVAL BASE + SHIP REPAIR YARD
[REDACTED] NAC

25X1D 25X1D
25X1A 68-03- [REDACTED] N 039-29- [REDACTED] E

STATUS: OPERATIONAL

NAVAL ORDER OF BATTLE:

3 PROB N SSN	1 POSS ASL
1 POSS N SSN (IN DRYDOCK)	1 AUXILIARY
3 MEDIUM SS	1 CARGO-TYPE VESSEL
1 POSS MEDIUM SS	1 CARGO BARGE
1 POSS PC	10 SMALL VESSELS
1 POSS AEM	

25X1D

[REDACTED]

25X1D

POLYARNYY SUBMARINE BASE
[REDACTED] NAC

25X1D 25X1D
25X1A 69-12- [REDACTED] N 033-27- [REDACTED] E

STATUS: OPERATIONAL

NAVAL ORDER OF BATTLE:

14 MEDIUM SS	2 POSS MHC
1 POSS SS	1 AR
2 PC	2 AUXILIARIES
4 POSS PCE	1 SMALL TRANSPORTER DOCK

25X1D

[REDACTED]

25X1D

SAYDA GUBA SUBMARINE BASE
[REDACTED] NAC

25X1D 25X1D
25X1A 69-15- [REDACTED] N 033-19- [REDACTED] E

STATUS: OPERATIONAL

NAVAL ORDER OF BATTLE:

8 Y SSBN	1 YR
1 POSS OSS	6 SMALL VESSELS

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SOVIET UNION
NAVAL BASE FACILITIES

1 POSS AR
2 BOLVA APL

2 FLOATING CRANES

25X1D



25X1D

25X1D

STRELOK ST SUB BASE PAVLOVSKOGO BAY
NAC

25X1A 42-52-██ N 132-31-██ E

25X1D



STATUS: OPERATIONAL

25X1D

NAVAL ORDER OF BATTLE:

1 PROB Y SSBN (AT PIER)
1 POSS E SSGN (IN BAY)

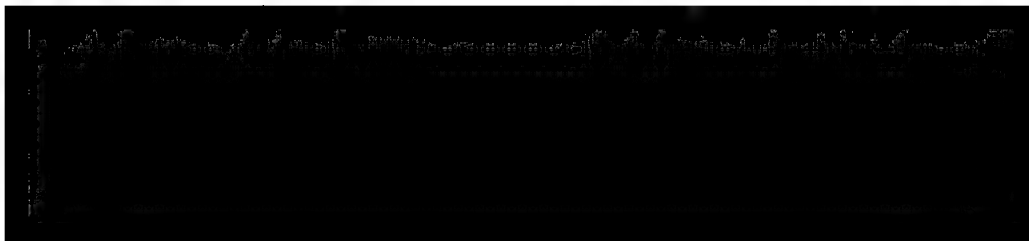
2 UNIDENTIFIED LARGE SS
10 UNIDENTIFIED AUXILIARIES

25X1D

1 Y SSBN (AT PIER)
1 POSS E SSGN (IN BAY)
1 E-I SSN (AT PIER)

1 LARGE SS (AT PIER)
10 UNIDENTIFIED AUXILIARIES
1 FLOATING CRANE

25X1D



25X1D

25X1D

25X1D

VLADIVOSTOK NAVAL BASE + SHIPYARD 202
NAC

25X1A 43-06-██ 131-55-██ E

STATUS: OPERATIONAL

NAVAL ORDER OF BATTLE:

4 MEDIUM SS
4 PROB MEDIUM SS
1 OSS
2 CL
1 CL (IN FLOATING DRYDOCK)

7 PROB DD
25 PROB COMBATANTS
25 UNIDENTIFIED VESSELS
1 TRANSPORTER DOCK

25X1D



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SOVIET UNION
NAVAL BASE FACILITIES

25X1D

VLADIVOSTOK NVL BASE A RPR YD DIOMID
[REDACTED] NAC

25X1D 25X1D
25X1A 43-05-[REDACTED] N 131-54-[REDACTED] E

STATUS: OPERATIONAL

NAVAL ORDER OF BATTLE:

2 MEDIUM SS

12 UNIDENTIFIED VESSELS

1 UNIDENTIFIED COMBATANT

25X1D

[REDACTED]

25X1D

VLADIVOSTOK SUBMARINE BASE ULISA BAY
[REDACTED] NAC

25X1D 25X1D
25X1A 43-04-[REDACTED] N 131-55-[REDACTED] E

STATUS: OPERATIONAL

NAVAL ORDER OF BATTLE:

[REDACTED] -- AT SUBMARINE BASE

2 MEDIUM SS

1 UNIDENTIFIED SMALL VESSEL

25X1D

[REDACTED] -- AT BYSTRY SHIPYARD

1 POSS DO

1 PROB PC

25X1D

[REDACTED]

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SOVIET UNION
INDUSTRY

SIGNIFICANT RESULTS

25X1D

PETROVKA NAVAL BASE + SHIPYARD

25X1D 25X1D
43-07- [REDACTED] N 132-20- [REDACTED] E

25X1A

25X1A

STATUS: OPERATIONAL

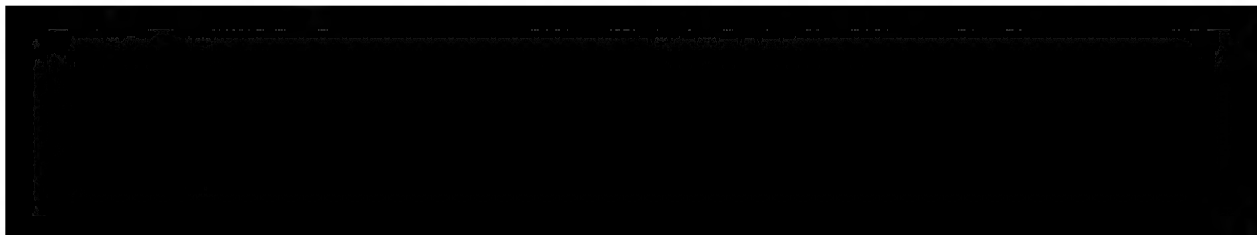
REMARKS:

THE REPAIRWAY SHED AND THE LARGE BUILDING IN THE NORTH QUAY
AREA REMAINED UNDER CONSTRUCTION.

NAVAL ORDER OF BATTLE:

1 E-II SSGN (ON REPAIRWAYS)	1 DD
1 E-I SSGN (ON REPAIRWAYS)	1 PROB ZEYA YRSN
1 PROB E-I SSGN (IN TRANSPORTER DOCK)	1 AUXILIARY
1 N SSN (ON REPAIRWAYS)	1 TRANSPORTER DOCK
2 LARGE SS	20 UNIDENTIFIED SMALL VESSELS

25X1D



OTHER RESULTS-NO APPARENT CHANGE

25X1D

PETROVKA NUC SUB SUPP FAC
NAC

25X1A 25X1D 25X1D
43-07- [REDACTED] 132-20- [REDACTED] E

STATUS: OPERATIONAL

NAVAL ORDER OF BATTLE:
NONE DISCERNIBLE

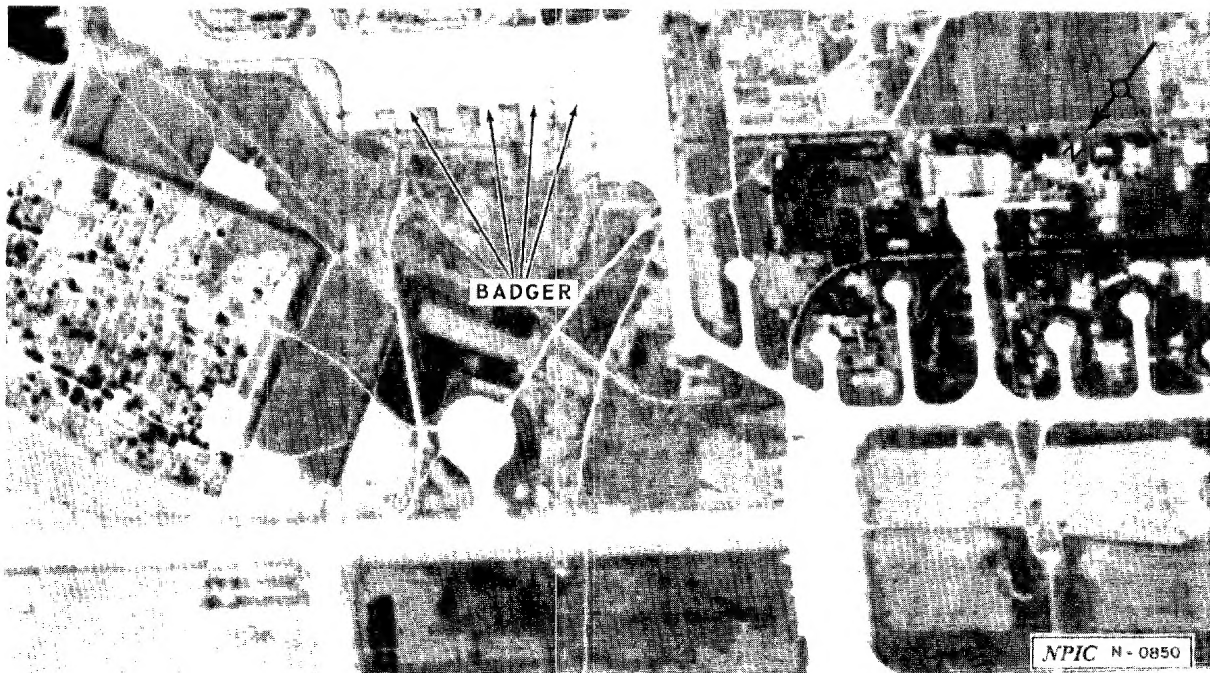
25X1D



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Attachments

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HSI-AN AIRFRAME PLANT YEN-I IANG 172, CHINA [REDACTED] 25X1A



WU-KUNG AIRFIELD, CHINA [REDACTED]

25X1A

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